

Title (en)
HEMOSTATIC CLIP

Title (de)
HÄMOSTATISCHE KLAMMER

Title (fr)
PINCE HÉMOSTATIQUE

Publication
EP 4223235 A4 20240417 (EN)

Application
EP 21888422 A 20211022

Priority
• CN 202011232973 A 20201106
• CN 2021125599 W 20211022

Abstract (en)
[origin: EP4223235A1] A hemostatic clip includes: a traction mechanism having a distal end provided with an inner bore; and a clamping mechanism including a constricting sleeve and a clip head assembly. The clip head assembly is partially disposed within the constricting sleeve and includes an engagement member and a clip head body. The engagement member has a proximal end inserted in the inner bore and forms an interference fit with the inner bore. The clip head body has a proximal end connected to a distal end of the engagement member and distally protrudes out of a distal end of the constricting sleeve. The constricting sleeve and the clip head assembly are respectively provided with a first locking member and a second locking member. When the second locking member is separate from the first locking member, the clip head body is allowed to switch between an opened configuration and a closed configuration. In the closed configuration of the clip head body, when the second locking member is connected to the first locking member, the clip head assembly is locked. Moreover, when a pulling force greater than a first predetermined value is applied to the traction mechanism, the proximal end of the engagement member will disengage from the inner bore. The separation of the engagement member from the traction mechanism does not involve the breakage of any component, thereby avoiding the risk of a broken portion remaining in a patient's body and possibly accessing a wound to cause inflammation and other issues. Thus, higher safety of use can be achieved.

IPC 8 full level
A61B 17/10 (2006.01); **A61B 17/08** (2006.01)

CPC (source: CN EP KR US)
A61B 17/083 (2013.01 - EP KR US); **A61B 17/10** (2013.01 - EP KR US); **A61B 17/1227** (2013.01 - CN KR); **A61B 17/1285** (2013.01 - CN KR); **A61B 2017/12004** (2013.01 - CN KR US)

Citation (search report)
• [XY] CN 104248461 A 20141231 - ANREI MEDICAL HZ CO LTD
• [Y] CN 104546055 A 20150429 - LEO MEDICAL CO LTD
• [A] US 9510836 B2 20161206 - ZHU JIAN [CN]
• [A] CN 202699218 U 20130130 - ANREI MEDICAL HZ CO LTD, et al
• See also references of WO 2022095725A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 4223235 A1 20230809; EP 4223235 A4 20240417; CA 3197798 A1 20220512; CN 114431917 A 20220506; JP 2023547693 A 20231113; JP 7521122 B2 20240723; KR 20230098297 A 20230703; US 2023404584 A1 20231221; WO 2022095725 A1 20220512

DOCDB simple family (application)
EP 21888422 A 20211022; CA 3197798 A 20211022; CN 202011232973 A 20201106; CN 2021125599 W 20211022; JP 2023527459 A 20211022; KR 20237018237 A 20211022; US 202118252125 A 20211022